



Da-Lee
PAVEMENT PRODUCTS



Road Maintenance Products and Systems

We have the right solution for you!



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Permanent Pothole Repair

Cold Lay Asphalt Concrete



Instantly trafficable



No waste



Easy to use



Packaging / Coverage

22kg / 50lb

Approx 1m² / 10.76ft² at 12-15mm / 0.5-0.6 inches

Ideal for the repair of potholes in roads, driveways and car parks.

- Suitable for planned and reactive repairs
- Use with SCJ Seal and Tack Spray for a permanent repair
- Used in ALL weathers, climates and temperatures
- Depth: 10-100mm / 0.39-3.93 inches
- Resealable tubs

Manufactured under license for Instarmac Group plc

Advantages of using Permanent Pothole Repair



Instarmac Permanent Pothole Repair® works differently from most cold asphalt products on the market. Commonly these types of products are manufactured using flux oils so that when it is stockpiled (see image) the asphalt stays pliable and soft. The problem with this however, is that the asphalt remains pliable and soft when applied into a pothole.

This very often causes the repair to fail especially in areas that will receive regular braking or turning. Most of these products are also manufactured using a single size aggregate which leaves voids, creating weaknesses in the repair.

Instarmac Permanent Pothole Repair® is manufactured using an innovative formulation that reacts under compaction. This, combined with intelligently graded aggregate, which interlocks and leaves no voids, ensures a durable repair that can be trafficked as soon as compaction is complete.

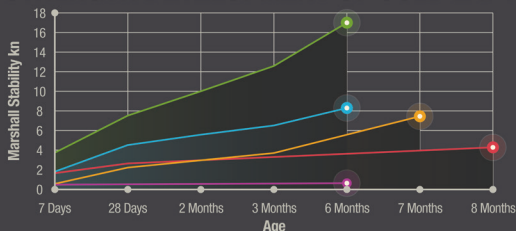
Unlike bulk which hardens very slowly, Instarmac Permanent Pothole Repair's® rapid setting properties make it ideal for areas of turning, braking and heavy traffic. This not only prevents disruption to motorists and traffic flow but provides a long term, first time, permanent solution that avoids costly repeat visits to the same pothole. The graph below demonstrates the products superior performance compared to oil based products.

Other advantages of using Permanent Pothole Repair:

- Supplied in easy to carry 22kg/50lb units - allows fast response to emergency repairs
- Due to its rapid strength gain, it works in difficult areas of turning and braking in the early stages of trafficking
- No need to buy a full truck load
- No need for heavy equipment and many personnel



STRENGTH DEVELOPMENT OF COLD LAY ROAD REPAIR PRODUCTS



Instant Road Repair 6mm

Cold Lay Asphalt Concrete



Instantly trafficable



No waste



Easy to use



Packaging / Coverage

22kg / 50lb

Approx 1m² / 10.76ft² at 12-15mm / 0.5-0.6 inches

6mm Grade- For permanent repairs in sidewalks and highways.

- Suitable for planned and reactive repairs
- Use with SCJ Seal and Tack Spray for a permanent repair
- Used in ALL weathers, climates and temperatures
- Depth: 15-100mm / 0.59-3.93 inches
- Resealable tubs

Manufactured under license for Instarmac Group plc

TIRED OF RETURNING TO THE SAME SITE?



Instant Road Repair is the first cold asphalt to provide a first time permanent repair for utility cuts.

Instarmac Instant Road Repair has been used for utility cut repairs for over 15 years.



TEST DATA

Conformity to European Standards
& BBA HAPAS Approval



Independently certified as a permanent pothole solution

Test Type	Test Method	Result IRR	Result PPR	Conformity
Resistance to Polishing- PSV	EN 1097-8	PTS. CELTEST MATEST: PSV = 66	PTS. CELTEST MATEST: PSV = 66	PASS
Air void compliance	EN 12697-8	CELTEST: Air Voids 11.9%	CELTEST: Air Voids 7.9%	PASS
Water sensitivity	EN 12697-12	PTS: Ratio ITSR 94.6%	PTS: Ratio ITSR 102.3%	PASS
Resistance to permanent deformation	EN 598-110	TTR: 0.2mm/ hr Wheel Track Rate 3.8mm mean rut depth	TTR: 0.1mm/ hr Wheel Track Rate 3.6mm mean rut depth	PASS
Surface Macrotexture	EN 13106-1	MAT Test 1.1mm	MAT Test 1.0mm	PASS

SCJ

Seal and Tack Coat Spray



Prevents water ingress



Prolongs the life of your repair



Improves bond



Packaging

750ml / 26.4 fl oz. can

A cold joint sealer that is applied onto vertical edges and surface base before the application of asphalt.

- Can be used in all weathers
- No waste
- Simple and economical to apply

Instaband ECO

Thermoplastic Overbanding Tape



No waste, cut as required



Prevents water ingress immediately



Prolongs the life of your repair



Packaging

5m (196.85 inches) x 35mm
(1.37 inches) per roll

Designed for the application to asphalt to prevent water ingress and progressive fretting. Suitable for use on permanent patching schemes and around utility cuts.

- Quick and easy to apply
- Fast installation
- Open to traffic: 10 minutes
- Elastic qualities accommodate thermal movement
- 60 SRV

Reinstating a manhole cover using Instarmac's Installation System

Get it Right First Time

The following installation method will ensure a right first time repair, reduced maintenance costs and extended life service. Allows sites to be open to traffic in as little as 2 hours!



A picture frame is marked around the manhole.



The picture frame is saw cut, excavated and the existing frame and cover removed.



Old bedding mortar, loose bricks and debris are removed.



Envirobed is placed on the supporting structure. The frame is lowered into position.



Apply QC10 F backfill concrete once mortar has set.



Spray all vertical edges and substrate with SCJ seal and tack coat spray.



Apply Instant Road Repair cold lay asphalt concrete using a 50% surcharge. Compact to required depth.



Once Instant Road Repair is level with existing road surface, apply Instaband ECO thermoplastic overbanding tape.

Envirobed HA104®

High Performance Bedding Mortar



Superior compressive, tensile & flexural strengths in 3 hours



Open to traffic: 1 hour



Packaging

18kg / 39.68lb

Approx 1 x 400mm / 3.93 inches x 400mm / 3.93 inches

The environmentally friendly bedding mortar specifically formulated for the bedding of all access covers.

- Workability: 15 minutes
- Set time: 30 minutes
- Depth: 10-50mm / 0.39-1.96 inches
- 7687 PSI compressive strength in 3 hours
- 1740 PSI flexural strength in 3 hours
- 885 PSI tensile strength in 3 hours
- No hazardous waste disposal
- Can be used in wet conditions and cold temperatures

QC10 F

Rapid Set Flowable Concrete



Fibre modified



Rapid set



Open to traffic: 90 minutes



Packaging

25kg / 55.11lb

A fibre modified concrete for backfilling around manhole frames and gullies and can also be used for surface repairs.

- Workability: 5-10 minutes
- Set time: 10-20 minutes
- Depth: 30-500mm / 1.18-19.6 inches
- 2900 PSI compressive strength after 90 minutes
- 8700 PSI final strength
- Shrinkage compensated

Da-Lee Product Range



Municipal Dust Control

- Premium Products- LIQUIDOW™ Calcium Chloride and Virgin Oil
- Superior dust control
- Enhanced road base stabilization
- Product longevity and residual benefits
- Cost savings with single applications
- Best service and equipment in the business



Industrial Dust Control

- Premium Products- LIQUIDOW™ Calcium Chloride, DOWFLAKE™ Xtra Calcium Chloride and Virgin Oil
- Timely Service Response
- Experienced Dust Control Operators
- Metered Spray Trucks
- Best Practice for Health, Safety Environmental Requirements
- Free quotes and estimate

Da-Lee Product Range



Sand & Salt Blending

- Fast and efficient
- Best equipment in the business to ensure a uniformed superior blend
- Well trained, safe and professional staff
- We stay until the job is complete
- Constant communication to monitor your inventory levels



Treated Salt

- Non-leaching
- Excellent and fast acting melting capacity
- Fresher, hotter blend made on-site and customized to your specifications
- Save HUGE dollars by treating salt on-site with the best equipment in the business
- Well trained and professional staff
- Readily available to keep your inventory levels high
- Safe and professional

CASE STUDY: Gardiner Expressway

Instarmac Permanent Pothole Repair® has been used to repair potholes on the Gardiner Expressway in Toronto.

Toronto had been looking for a pothole repair product that would outperform the current methods used after a number of failed installations – the previous repair lasting only 2 weeks.

The expressway regularly surpasses traffic volumes of over 120,000 vehicles each day, which meant the chosen pothole repair product would need to withstand heavy and constant trafficking and keep disruption to motorists as minimal as possible.

After careful research Toronto trialed world renowned Instarmac Permanent Pothole Repair®, the trial was a huge success and outperformed all previous methods resulting in the City of Toronto placing their first order for Instarmac Permanent Pothole Repair®.



Training & Site Support

Expertise. Knowledge. Confidence.



We offer free of charge product training days that cover our entire product range and can be tailored to suit your needs.

We can also arrange training and product demonstrations at your premises or live on site at a time convenient to you.

The Benefits:

- Get it right first time
- Try out some innovative products
- Learn the correct application process
- Increase productivity
- Save money
- Eliminate repeat visits







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We have the right solution for you!